

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/547,843  
Source: PCT  
Date Processed by STIC: 9-16-05

# ***ENTERED***

**CRF Errors Edited by the STIC Systems Branch**

Serial Number:

10/547,843

CRF Edit Date:

9-16-05

Edited by:

RE

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Revised 09/09/2003

**BEST AVAILABLE COPY**



PCT

## RAW SEQUENCE LISTING

DATE: 09/16/2005

PATENT APPLICATION: US/10/547,843

TIME: 12:31:15

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09162005\J547843.raw

```

3 <110> APPLICANT: HORIGUCHI, Takashi
4     MATSUI, Hideki
5     WATANABE, Tomomichi
7 <120> TITLE OF INVENTION: Novel protein and its DNA
9 <130> FILE REFERENCE: 3159 USOP
W--> 10 <140> CURRENT APPLICATION NUMBER: US
C--> 11 <141> CURRENT FILING DATE: 2005-09-06
13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/003033
14 <151> PRIOR FILING DATE: 2004-03-09
16 <150> PRIOR APPLICATION NUMBER: JP2003-64197
17 <151> PRIOR FILING DATE: 2003-03-10
19 <150> PRIOR APPLICATION NUMBER: JP2003-149679
20 <151> PRIOR FILING DATE: 2003-05-27
22 <160> NUMBER OF SEQ ID NOS: 10
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 264
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
30 Met Gly Gly Ala Gln Leu Glu Leu Pro Ser Gly Ala Arg Pro Gly Val
31           5                      10                      15
32 Cys Val Arg Arg Ser Phe Arg Ala His Ala Gly Asp Gln Pro Arg Arg
33           20                      25                      30
34 Pro Pro Gly Pro Ile Pro Val Pro Gly Thr Met Lys Gln Glu Ser Ala
35           35                      40                      45
36 Ala Pro Asn Thr Pro Pro Thr Ser Gln Ser Pro Thr Pro Ser Ala Gln
37           50                      55                      60
38 Phe Pro Arg Asn Asp Gly Asp Pro Gln Ala Leu Trp Ile Phe Gly Tyr
39 65           70                      75                      80
40 Gly Ser Leu Val Trp Arg Pro Asp Phe Ala Tyr Ser Asp Ser Arg Val
41           85                      90                      95
42 Gly Phe Val Arg Gly Tyr Ser Arg Arg Phe Trp Gln Gly Asp Thr Phe
43           100                     105                     110
44 His Arg Gly Ser Asp Lys Met Pro Gly Arg Val Val Thr Leu Leu Glu
45           115                     120                     125
46 Asp His Glu Gly Cys Thr Trp Gly Val Ala Tyr Gln Val Gln Gly Glu
47           130                     135                     140
48 Gln Val Ser Lys Ala Leu Lys Tyr Leu Asn Val Arg Glu Ala Val Leu
49 145                     150                     155                     160
50 Gly Gly Tyr Asp Thr Lys Glu Val Thr Phe Tyr Pro Gln Asp Ala Pro
51           165                     170                     175
52 Asp Gln Pro Leu Lys Ala Leu Ala Tyr Val Ala Thr Pro Gln Asn Pro
53           180                     185                     190

```

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```

54 Gly Tyr Leu Gly Pro Ala Pro Glu Glu Ala Ile Ala Thr Gln Ile Leu
55      195                      200                      205
56 Ala Cys Arg Gly Phe Ser Gly His Asn Leu Glu Tyr Leu Leu Arg Leu
57      210                      215                      220
58 Ala Asp Phe Met Gln Leu Cys Gly Pro Gln Ala Gln Asp Glu His Leu
59 225                      230                      235                      240
60 Ala Ala Ile Val Asp Ala Val Gly Thr Met Leu Pro Cys Phe Cys Pro
61      245                      250                      255
62 Thr Glu Gln Ala Leu Ala Leu Val
63      260
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 792
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens
70 <400> SEQUENCE: 2
71 atggggggcg ctcagctgga gctaccgagc ggtgccaggc caggtgtgtg cgtccgtcgg      60
72 tctttccgtg cccacgccgg agaccagccc cggaggccgc ctgggcctat cctgtgcca      120
73 ggcaccatga agcaggagtc tgcagccccg aacacccgcg ccacctcgca gtcccctacg      180
74 ccgtccgctc agttcccccg aaacgacggc gaccctcaag cgctgtggat ttctgggtac      240
75 ggctccctgg tgtggaggcc cgacttcgcc tacagcgaca gccgtgtggg cttcgtgcgc      300
76 ggctacagcc gccgtttctg gcaggagac accttccatc ggggcagcga caagatgcct      360
77 ggccgtgtgg tgacgtcct tgaagatcat gagggtgca cttggggcgt ggcataccaa      420
78 gtgcaagggg agcaggtaag caaggccctg aagtacctga atgtgcgaga ggcagtgctt      480
79 ggtggctacg ataccaagga ggtcaccttc tatccccaag atgtcctga ccaaccactg      540
80 aaggcattgg cctatgtggc caccacacag aacctggtt acctgggccc tgcgcctgaa      600
81 gaggccattg ccacgcagat cctggcctgc cggggcttct ccggccacaa ccttgaatac      660
82 ttgctgcgtc tggcagactt catgcagctc tgtggggctc aggcgcagga cgagcacctg      720
83 gcagccatcg tggacgctgt gggcaccatg ttgccctgct tctgccccac cgagcaggct      780
84 ctggcgctgg tg                                          792
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 18
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Primer
94 <400> SEQUENCE: 3
95 ggcaggggta taagacac                                          18
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 19
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer
105 <400> SEQUENCE: 4
106 acccgccatg ccttctcag                                          19
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 24
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 09/16/2005

PATENT APPLICATION: US/10/547,843

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Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09162005\J547843.raw

```

113 <220> FEATURE:
114 <223> OTHER INFORMATION: Primer
116 <400> SEQUENCE: 5
117 cgccagggtt ttcccagtca cgac 24
119 <210> SEQ ID NO: 6
120 <211> LENGTH: 27
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Primer
127 <400> SEQUENCE: 6
128 agcggataac aatttcacac aggaaac 27
130 <210> SEQ ID NO: 7
131 <211> LENGTH: 30
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Primer
138 <400> SEQUENCE: 7
139 gccatggggg gcgctcagct ggagctaccg 30
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 26
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Primer
149 <400> SEQUENCE: 8
150 tcacaccagc gccagagcct gctcgg 26
152 <210> SEQ ID NO: 9
153 <211> LENGTH: 20
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Primer
160 <400> SEQUENCE: 9
161 taatacgact cactataggg 20
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 18
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Primer
171 <400> SEQUENCE: 10
172 tagaaggcac agtcgagg 18

```

**VERIFICATION SUMMARY**

DATE: 09/16/2005

PATENT APPLICATION: US/10/547,843

TIME: 12:31:16

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09162005\J547843.raw

L:10 M:283 W: Missing Blank Line separator, <140> field identifier

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing,  
for reference only**



PCT

## RAW SEQUENCE LISTING

DATE: 09/15/2005

PATENT APPLICATION: US/10/547,843

TIME: 16:49:24

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09142005\J547843.raw

3 <110> APPLICANT: HORIGUCHI, Takashi  
 4 MATSUI, Hideki  
 5 WATANABE, Tomomichi  
 7 <120> TITLE OF INVENTION: Novel protein and its DNA  
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 13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/003033  
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 16 <150> PRIOR APPLICATION NUMBER: JP2003-64197  
 17 <151> PRIOR FILING DATE: 2003-03-10  
 19 <150> PRIOR APPLICATION NUMBER: JP2003-149679  
 20 <151> PRIOR FILING DATE: 2003-05-27  
 22 <160> NUMBER OF SEQ ID NOS: 10

## ERRORED SEQUENCES

65 <210> SEQ ID NO: 2  
 66 <211> LENGTH: 792  
 67 <212> TYPE: DNA  
 68 <213> ORGANISM: Homo sapiens  
 70 <400> SEQUENCE: 2  
 71 atggggggcg ctcagctgga gctaccgagc ggtgccaggc caggtgtgtg cgtccgtcgg 60  
 72 tctttccgtg cccacgccgg agaccagccc cggaggccgc ctgggcctat cctgtgcca 120  
 73 ggcaccatga agcaggagtc tgcagccccg aacacccgc ccacctcgca gtccctacg 180  
 74 ccgtccgctc agttccccg aaacgacggc gacctcaag cgctgtggat ttctgggtac 240  
 75 ggctccctgg tgtggaggcc cgacttcgcc tacagcgaca gccgtgtggg ctctgtgcgc 300  
 76 ggctacagcc gccgtttctg gcaggagac acctccatc ggggcagcga caagatgcct 360  
 77 ggccgtgtgg tgacgtcct tgaagatcat gagggtgca cttggggcgt ggcataccaa 420  
 78 gtgcaagggg agcaggtaag caaggccctg aagtacctga atgtgcgaga ggcagtgtt 480  
 79 ggtggctacg ataccaagga ggtaacctc tatccccaag atgtcctga ccaaccactg 540  
 80 aaggcattgg cctatgtggc caccacacag aacctggtt acctgggccc tgcgcctgaa 600  
 81 gaggccattg ccacgcagat cctggcctgc cggggcttct ccggccacaa ccttgaatac 660  
 82 ttgctgcgtc tggcagactt catgcagctc tgtgggcctc aggcgcagga cgagcacctg 720  
 83 gcagccatcg tggacgtgtt gggcaccatg ttgccctgct tctgccccac cgagcaggct 780  
 E--> 84 ctggcgctgg tg 792  
 85 792  
 164 <210> SEQ ID NO: 10 moved here →  
 165 <211> LENGTH: 18  
 166 <212> TYPE: DNA  
 167 <213> ORGANISM: Artificial Sequence  
 169 <220> FEATURE:



RAW SEQUENCE LISTING

DATE: 09/15/2005

PATENT APPLICATION: US/10/547,843

TIME: 16:49:24

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09142005\J547843.raw

170 <223> OTHER INFORMATION: Primer

172 <400> SEQUENCE: 10

173 tagaaggcac agtcgagg

18

E--> 177 1

deleted

**VERIFICATION SUMMARY**

DATE: 09/15/2005

PATENT APPLICATION: US/10/547,843

TIME: 16:49:25

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09142005\J547843.raw

L:10 M:283 W: Missing Blank Line separator, <140> field identifier  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:84 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:792 SEQ:2  
L:177 M:254 E: No. of Bases conflict, this line has no nucleotides.